

# MAGNETIC RECORDING MEDIUM AND ITS PRODUCTION

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## Abstract

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**PURPOSE:** To improve durability by providing monomolecular cumulative films of a perfluoro chain compd. or monomolecular cumulative film of the metal salt of the perfluoro chain compd. consisting of 3 or 5 layers on a magnetic layer.

**CONSTITUTION:** The monomolecular cumulative films of the perfluoro chain compd. or the monomolecular cumulative films of the metal salt of the perfluoro chain compd. consisting of 3 or 5 layers are formed on the magnetic layer. The formation of the monomolecular films on the magnetic layer is executed by a Langmuir-Blodgett's technique (BL technique). Perfluorocarboxylic acid, perfluoroalcohol, perfluoroamide, etc., of 12-25C are more preferable as the perfluoro chain compd. to be used for forming said monomolecular cumulative films. The thickness of the monomolecular cumulative films to be laminated on the magnetic layer is generally specified in a 20-1,000Angstrom range. The recording medium having the remarkably high durability is thereby obtd.

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